

Claims

1. A respirator assembly comprising: a first sub-assembly (1) adapted to be worn on the head and including sealing means (6) adapted to form a seal around the periphery of the user's face when worn; and a second sub-assembly (2) separable from the first sub-assembly (1) but selectively co-operable therewith, the second sub-assembly (2) comprising a face piece (7) adapted to co-operate with the first sub-assembly (1) to define therewith a facial cavity (13,14) bounded by said sealing means (6), inlet means (15) connectable to a source of breathing gas for supply to the user and outlet means (16) for the exhaustion of exhaled gas from the user.
2. A respirator assembly according to claim 1 wherein the first (1) and second (2) sub-assemblies are completely separable whereby the first sub-assembly (1) can be worn alone, the second sub-assembly (2) being demountably attachable to the first sub-assembly (1).
3. A respirator assembly according to claim 2 wherein the first sub-assembly (1) comprises headgear (3) including a substantially rigid ring structure (4) adapted to be juxtaposed to the user's face when the headgear (3) is donned and from which said sealing means (6) extend to engage around the periphery of the user's face, the second sub-assembly (2) being configured to be mounted to said ring structure (4) and secured thereto by releasable fastening means (11).
4. A respirator assembly according to claim 1 wherein the second sub-assembly (2) is articulated to the first sub-assembly (1).
5. A respirator assembly according to any preceding claim wherein the first sub-assembly (1) comprises headgear in the form of a flexible hood of air-permeable material (3).
6. A respirator assembly according to any preceding claim wherein the second sub-assembly (2) includes an oronasal mask (10) to be disposed within said facial cavity (13,14).

7. A respirator assembly according to any preceding claim wherein said face piece (7) includes a demountable lens portion (8).